## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 6 January 2005 (06.01.2005)

### PCT

## (10) International Publication Number WO 2005/002018 A2

(51) International Patent Classification7:

H<sub>0</sub>2H

(21) International Application Number:

PCT/US2004/014539

(22) International Filing Date:

1 June 2004 (01.06.2004)

(25) Filing Language:

English

(26) Publication Language:

(30) Priority Data:

English

29 May 2003 (29.05.2003) US 60/473,914 5 September 2003 (05.09.2003) US 60/500,347 US 60/502,617 15 September 2003 (15.09.2003) 26 September 2003 (26.09.2003) US 60/505,874 US 60/523,098

60/534,984

19 November 2003 (19.11.2003) 9 January 2004 (09.01.2004) US

(71) Applicant (for all designated States except US): X2Y AT-TENUATORS, LLC [US/US]; 2730 B. West 21st Street, Erie, PA 16506-2972 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): ANTHONY, Anthony [US/US]; 5064 Wolf Run Drive, Erie, PA 16505 (US).

(74) Agent: NEIFELD, Richard, A.; Neifeld IP Law, PC, 2001 Jefferson Davis Highway, Suite 1001, Arlington, VA 22202 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

